INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/000349

		PCT/JP2	004/000349
A. CLASSIFIC Int.Cl	ATION OF SUBJECT MATTER B65G27/24		
According to Int	ernational Patent Classification (IPC) or to both national classif	ication and IPC	
B. FIELDS SEA			
Minimum docur	mentation searched (classification system followed by classification	tion symbols)	
Int.Cl	B65G27/00-27/34		
Jitsuyo Kokai J	itsuyo Shinan Koho 1971-2004 Jitsuyo	Shinan Toroku Koho	1996-2004
Electronic data l	pase consulted during the international search (name of data base	e and, where practicable, search te	rms used)
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropria		Relevant to claim No.
X Y A	JP 62-205911 A (Shinko Electric Co., Ltd.), 10 September, 1987 (10.09.87), Full text; Fig. 1 (Pamily: none)		1,2,4,9 3,5,10,12 6-8,11
X Y A	Microfilm of the specification an annexed to the request of Japanes	rofilm of the specification and drawings exed to the request of Japanese Utility Model lication No. 32097/1989(Laid-open No. 920/1990)	
Y	15 October, 1990 (15.10.90), Full text; Figs. 1, 2 (Family: none) JP 62-4120 A (Toshiba Corp.),		3 1,2,4-12
Ā	10 January, 1987 (10.01.87), Full text; Figs. 5, 6 & EP 211494 A2 & US 479	5025 A	
	uments are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance		later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be	
filing date	filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other "Y" document of particular relevance;		dered to involve an inventive ; claimed invention cannot be
special reas	on (as specified) eferring to an oral disclosure, use, exhibition or other means ublished prior to the international filing date but later than the	considered to involve an inventive combined with one or more other such being obvious to a person skilled in the document member of the same patent	i documents, such combination le art
Date of the actu 31 May	al completion of the international search , 2004 (31.05.04)	of mailing of the international sea 15 June, 2004 (15.	arch report 06.04)
Name and maili Japane	se Patent Office	norized officer	
Facsimile No.	Tele	phone No.	

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International application No.
PCT/JP2004/000349

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y A	<pre>JP 62-218307 A (Shinko Blectric Co., Ltd.), 25 September, 1987 (25.09.87), Full text; Figs. 1, 2 (Family: none)</pre>	5 1-4,6-12
Y A	JP 11-130229 A (Shinko Electric Co., Ltd.), 18 May, 1999 (18.05.99), Par. No. [0016] (Family: none)	10 1-9,11,12
Y A	JP 3-106711 A (Shinko Electric Co., Ltd.), 07 May, 1991 (07.05.91), Full text; Figs. 3 to 5 (Family: none)	12 1-11
A	JP 2002-302231 A (Shinko Electric Co., Ltd.), 18 October, 2002 (18.10.02), Pull text; all drawings & CN 1380234 A & US 2002-171330 A	1-12
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